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What we claims is:

- 1. Fibers melt-spun from a thermoplastic alternating copolymer composed of alkenes and carbon monoxide having a
 - tenacity BT > 900 mN/tex,
 - melting point Tm > 220°C,
 - crystallinity Vc > 33%, and
 - birefringence ∆n > 0.0550.
- 2. Fibers melt-spun from a thermoplastic alternating copolymer composed of alkenes and carbon monoxide having a
- 10 tenacity BT > 1000 mN/tex,
 - melting point Tm > 220°C,
 - crystallinity Vc > 35%, and
 - birefringence $\Delta n > 0.0570$.
 - Fibers melt-spun from a thermoplastic alternating copolymer composed of ethylene/propylene and carbon monoxide and with a propylene content between 4 and 0.5 mole%, calculated on ethylene, having a
 - tenacity BT > 1000 mN/tex,
 - melting point Tm > 240°C,
 - crystallinity Vc > 40%, and
- 20 birefringence $\Delta n > 0.0570$.
 - 4. A process for preparing fibers from a thermoplastic alternating copolymer composed of alkenes and carbon monoxide, in which the process comprises melt-spinning the copolymer and subsequently drawing the resulting fibers, wherein the melt-spinning process is conducted with a polymer melt free of crystallization nuclei at a temperature of at most 40K above the melting temperature of the polymer T_m (in K) and the drawing of the fibers is conducted at a temperature in the range of T_{mc} 15K to T_{mc} 90K, with T_{mc} representing the constrained melting temperature, at a draw ratio in the range of 5 to 12 and a drawing tension corrected for temperature $DT_{d,corr.}$ in the range of 105 to 300 mN/tex,

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$$DT_{d,corr.} = \frac{F_{DR} \cdot DR}{tex \left[e^{(1000/T_d)} - e^{(1000/T_{mc})} \right]^{0.8}}$$

wherein F_{DR} represents the force measured at a draw ratio DR (in mN) and T_d represents the drawing temperature (in K), the calculation of the drawing tension corrected for temperature including a linear density of the fibers prior to starting of the drawing.

- 5. A process according to claim 4, wherein the draw ratio is at least 7 and the drawing tension corrected for temperature is in the range of 120 to 280 mN/tex.
- 6. A process according to claim 4, wherein the fibers obtained following the process have a tenacity (in mN/tex) in the range of $313ln(DT_{d,corr.})$ 575 to $313ln(DT_{d,corr.})$ 755.
- 7. A process according to claim 4, wherein the drawing tension corrected for temperature DT_{d,corr.} is more than 140 mN/tex, and wherein the fibers obtained following the process have a tenacity of more than about 900 mN/tex.
- 8. A process according to claim 4, wherein the alternating copolymer contains ethylene.
- 9. A process according to claim 8, wherein in the alternating copolymer, 80 to 100% of the alkene units are composed of ethylene.
- 10. A process according to claim 4, wherein the alternating copolymer is composed of ethylene/propylene and carbon monoxide and with a propylene content between 4 and 0.5 mole %, calculated on ethylene.
 - 11. A rubber article containing the fibers according to claim 1.
 - 12. A tire containing the fibers according to claim 1.
 - 13. The tire according to claim 12, wherein the tire is a car tire.
- 14. A tire containing the fibers made according to the process of claim4.
- 15. A rubber article containing the fibers made according to the process of claim 4.